



June 2008

**DEPARTMENT OF EDUCATION**  
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2008  
Code: 12001495  
SAU: MSAD 06  
School: Bonny Eagle Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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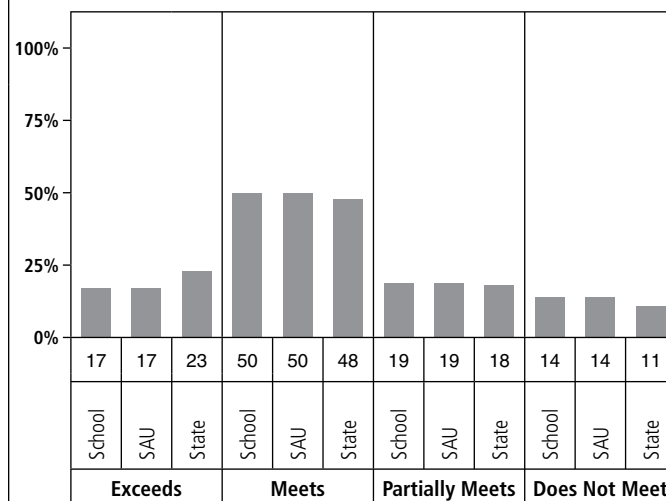
# SUMMARY OF SCORES

Test Date: March 2008  
Grade: 8  
SAU: MSAD 06  
School: Bonny Eagle Middle School

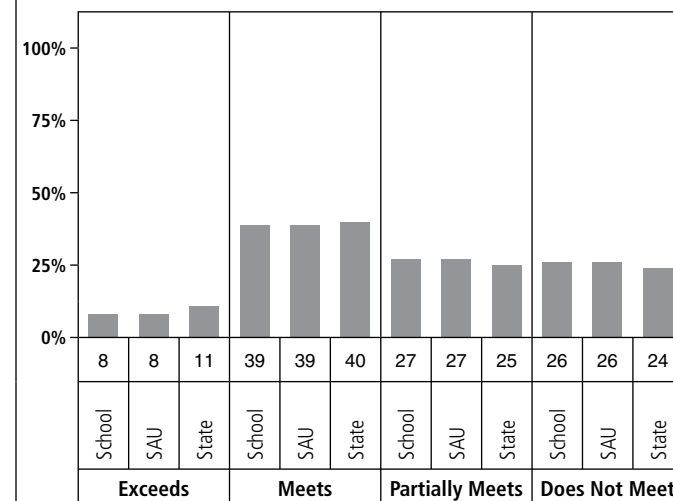
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2005–2006	845	845	845
2006–2007	850	850	847
<b>2007–2008</b>	<b>847</b>	<b>847</b>	<b>849</b>
Cum. Avg. *	847	847	847
<b>Mathematics</b>			
2005–2006	839	839	840
2006–2007	841	841	842
<b>2007–2008</b>	<b>839</b>	<b>839</b>	<b>841</b>
Cum. Avg. *	840	840	841
<b>Science &amp; Technology</b>			
2005–2006	847	847	846
2006–2007	848	848	847
<b>2007–2008</b>	<b>845</b>	<b>845</b>	<b>847</b>
Cum. Avg. *	847	847	847

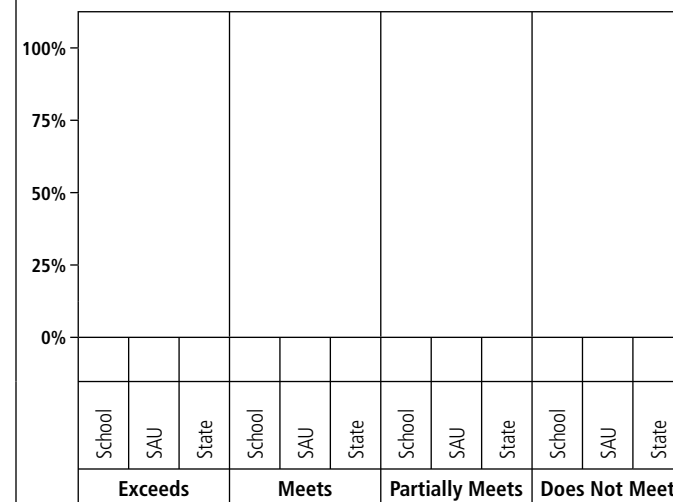
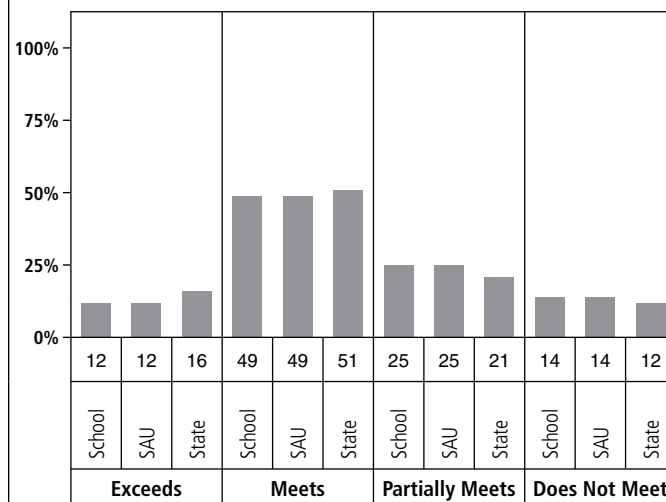
## ELA – READING



## MATHEMATICS



## SCIENCE AND TECHNOLOGY



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 06  
 School: Bonny Eagle Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																											
							ELA-Reading						Mathematics						Science and Technology						School			SAU			State			
	School		SAU		State		School		SAU		State		School		SAU		State																	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%				
Total number of students	309	100	309	100	15274	100	308	100	308	100	15102	99	308	100	308	100	15097	99	308	100	308	100	15080	99										
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97										
American Indian or Native Alaskan	1	0	1	0	120	1	1	100	1	100	117	98	1	100	1	100	117	98	1	100	1	100	117	98										
Asian or Pacific Islander	2	1	2	1	186	1	1	50	1	50	181	97	1	50	1	50	182	98	1	50	1	50	182	98										
Hispanic	1	0	1	0	139	1	1	100	1	100	136	98	1	100	1	100	136	98	1	100	1	100	136	98										
Caucasian/White	305	99	305	99	14461	95	305	100	305	100	14312	99	305	100	305	100	14302	99	305	100	305	100	14289	99										
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Identified disability	47	15	47	15	2508	16	47	100	47	100	2446	98	47	100	47	100	2441	98	47	100	47	100	2431	98										
Current LEP	2	1	2	1	327	2	2	100	2	100	316	97	2	100	2	100	322	99	2	100	2	100	322	99										
Economically disadvantaged	85	28	85	28	5420	35	84	99	84	99	5329	99	84	99	84	99	5324	99	84	99	84	99	5313	98										
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100										

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	272	88	272	88	12703	83	272	88	272	88	12694	83	272	88	272	88	12710	83						
Identified disability (PET/IEP)	16	6	16	6	437	3	16	6	16	6	421	3	16	6	16	6	445	4						
LEP	2	1	2	1	172	1	2	1	2	1	172	1	2	1	2	1	173	1						
504 plan	6	2	6	2	229	2	6	2	6	2	231	2	6	2	6	2	230	2						
Participation with accommodations	34	11	34	11	2221	15	34	11	34	11	2227	15	34	11	34	11	2197	14						
Identified disability (PET/IEP)	29	85	29	85	1832	82	29	85	29	85	1844	83	29	85	29	85	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	5	15	5	15	68	3	5	15	5	15	66	3	5	15	5	15	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	2	1	2	1	177	1	2	1	2	1	176	1	2	1	2	1	173	1						
Identified disability (PET/IEP)	2	100	2	100	177	100	2	100	2	100	176	100	2	100	2	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	1	0	1	0	140	1	1	0	1	0	143	1	1	0	1	0	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 06  
School: Bonny Eagle Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	48	16	49	16	2695	17
	2006-2007	78	23	78	23	2407	16
	<b>2007-2008</b>	<b>52</b>	<b>17</b>	<b>52</b>	<b>17</b>	<b>3428</b>	<b>23</b>
	Cum. Total*	178	19	179	19	8530	18
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	138	46	139	46	6830	42
	2006-2007	160	47	161	47	7494	49
	<b>2007-2008</b>	<b>152</b>	<b>50</b>	<b>152</b>	<b>50</b>	<b>7179</b>	<b>48</b>
	Cum. Total*	450	48	452	48	21503	46
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	68	23	68	22	3741	23
	2006-2007	70	21	70	21	3628	24
	<b>2007-2008</b>	<b>58</b>	<b>19</b>	<b>58</b>	<b>19</b>	<b>2706</b>	<b>18</b>
	Cum. Total*	196	21	196	21	10075	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	46	15	47	16	3003	18
	2006-2007	29	9	32	9	1810	12
	<b>2007-2008</b>	<b>44</b>	<b>14</b>	<b>44</b>	<b>14</b>	<b>1611</b>	<b>11</b>
	Cum. Total*	119	13	123	13	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Total Reading Cluster</b>	<b>56</b>	<b>100</b>	35.4	63.2	35.4	63.2	36.9	65.9
<b>Literary Text</b>	<b>28</b>	<b>50</b>	17.5	62.5	17.5	62.5	18.3	65.4
<b>Informational Text</b>	<b>28</b>	<b>50</b>	17.8	63.6	17.8	63.6	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 06  
 School: Bonny Eagle Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	306	52	17	152	50	58	19	44	14	847	306	17	50	19	14	847	14924	23	48	18	11	849
<b>Ethnicity</b>																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	1										1						117	9	43	29	19	842
Asian or Pacific Islander	1										1						179	32	39	18	11	852
Hispanic	1										1						131	18	38	27	17	846
Caucasian/White	303	52	17	150	50	58	19	43	14	847	303	17	50	19	14	847	14149	23	49	18	10	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	45	1	2	10	22	11	24	23	51	831	45	2	22	24	51	831	2269	3	24	32	42	833
No	261	51	20	142	54	47	18	21	8	850	261	20	54	18	8	850	12655	27	52	16	5	852
<b>Current LEP</b>																						
Yes	2										2						308	8	30	27	34	837
No	304	52	17	150	49	58	19	44	14	847	304	17	49	19	14	847	14616	23	48	18	10	850
<b>Economically disadvantaged</b>																						
Yes	83	8	10	37	45	21	25	17	20	842	83	10	45	25	20	842	5222	12	44	25	19	843
No	223	44	20	115	52	37	17	27	12	849	223	20	52	17	12	849	9702	29	50	14	7	853
<b>Migrant</b>																						
Yes	0										0						7	0	86	0	14	850
No	306	52	17	152	50	58	19	44	14	847	306	17	50	19	14	847	14917	23	48	18	11	849
<b>Gender</b>																						
Female	147	40	27	74	50	21	14	12	8	852	147	27	50	14	8	852	7198	30	48	15	7	853
Male	159	12	8	78	49	37	23	32	20	843	159	8	49	23	20	843	7726	17	49	21	14	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						807	9	41	32	18	842
No	306	52	17	152	50	58	19	44	14	847	306	17	50	19	14	847	14117	24	49	17	10	850
<b>Gifted/talented program</b>																						
Yes	0										0						592	71	28	1	0	867
No	306	52	17	152	50	58	19	44	14	847	306	17	50	19	14	847	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA–READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 06  
School: Bonny Eagle Middle School

QUESTIONNAIRE ITEMS	School										SAU						State													
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E		M		P		D		Mean Scaled Score
		%	N	%	N	%	N	%	N			%	N	%	%	%	%	%	%			%	%	%	%	%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	10 50 36 5	4 24 23 1	14 16 21 7	8 77 61 6	28 51 55 43	6 33 16 2	21 22 14 14	11 17 11 5	38 11 10 36	838 847 850 838	10 50 36 5	14 16 21 7	28 51 55 43	21 22 14 14	38 11 10 36	838 847 850 838	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850								
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b> A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	33 49 14 4	23 25 3 1	23 17 7 8	53 74 19 6	54 49 44 50	11 32 12 1	11 21 28 8	12 19 9 4	12 13 21 33	850 848 840 839	33 49 14 4	23 17 7 8	54 49 44 50	11 21 28 8	12 13 21 33	850 848 840 839	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836								
<b>Which of the following best describes how you rate yourself as a student in reading?</b> A. very good B. good C. fair D. poor	31 44 21 4	31 18 2 1	33 13 3 9	51 71 25 4	54 53 38 36	4 31 19 3	4 23 29 27	8 14 19 3	9 10 29 27	855 846 838 839	31 44 21 4	33 13 3 9	54 53 38 36	4 23 29 27	9 10 29 27	855 846 838 839	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835								
<b>How difficult was the reading part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	21 64 15	10 31 11	16 16 25	30 97 24	48 51 55	13 36 3	21 19 7	9 25 6	15 13 14	845 848 850	21 64 15	16 16 25	48 51 55	21 19 7	15 13 14	845 848 850	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852								
<b>How difficult were the reading passages on this test?</b> A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	14 56 31	1 22 29	3 13 32	17 88 46	43 54 51	11 33 9	28 20 10	11 21 7	28 13 8	838 846 854	14 56 31	3 13 32	43 54 51	28 20 10	28 13 8	838 846 854	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855								
<b>How hard did you try on the reading part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	37 55 7	21 29 2	19 18 10	55 82 10	50 51 48	16 32 5	15 20 24	17 18 4	16 11 19	848 848 844	37 55 7	19 18 10	50 51 48	15 20 24	16 11 19	848 848 844	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842								
<b>How much time do you spend reading at home each day?</b> A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	19 37 11 33	12 25 8 7	20 22 24 7	32 61 11 48	54 54 32 48	6 16 8 26	10 14 24 26	9 10 7 18	15 9 21 18	849 851 846 843	19 37 11 33	20 22 24 7	54 54 32 48	10 14 24 26	15 9 21 18	849 851 846 843	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844								
<b>How do you feel about the following statement?</b> <i>"My knowledge of reading will be useful to me as an adult."</i> A. strongly agree B. agree C. disagree D. strongly disagree	42 49 6 4	30 20 1 1	24 14 6 8	66 74 6 6	52 50 35 46	18 31 5 3	14 21 29 23	13 23 5 3	10 16 29 23	851 845 838 841	42 49 6 4	24 14 6 8	52 50 35 46	14 21 29 23	10 16 29 23	851 845 838 841	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839								
<b>Optional school/SAU question</b> A. B. C. D.	21 33 13 33	0 1 0 0	0 13 0 0	1 1 2 3	20 13 67 38	2 5 0 3	40 63 0 38	2 1 1 2	40 13 33 25	836 841 840 838	21 33 13 33	0 13 0 0	20 13 67 38	40 63 0 38	40 13 33 25	836 841 840 838														

# MATHEMATICS RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 06  
School: Bonny Eagle Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	28	9	29	10	1714	11
	2006-2007	39	12	39	11	1952	13
	<b>2007-2008</b>	<b>23</b>	<b>8</b>	<b>23</b>	<b>8</b>	<b>1657</b>	<b>11</b>
	Cum. Total*	90	10	91	10	5323	11
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	96	32	96	32	5533	34
	2006-2007	127	38	128	38	5870	38
	<b>2007-2008</b>	<b>120</b>	<b>39</b>	<b>120</b>	<b>39</b>	<b>5956</b>	<b>40</b>
	Cum. Total*	343	36	344	36	17359	37
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	94	31	95	31	4764	29
	2006-2007	92	27	92	27	3982	26
	<b>2007-2008</b>	<b>82</b>	<b>27</b>	<b>82</b>	<b>27</b>	<b>3729</b>	<b>25</b>
	Cum. Total*	268	28	269	28	12475	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	83	28	84	28	4251	26
	2006-2007	79	23	82	24	3534	23
	<b>2007-2008</b>	<b>81</b>	<b>26</b>	<b>81</b>	<b>26</b>	<b>3579</b>	<b>24</b>
	Cum. Total*	243	26	247	26	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.0	50.0	8.0	50.0	8.4	52.5
Cluster 2: Shape and Size	14	25	5.5	39.3	5.5	39.3	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.6	57.5	4.6	57.5	4.6	57.5
Cluster 4: Patterns	18	32	8.3	46.1	8.3	46.1	8.9	49.4

- Cluster 1: Numbers and Operations**  
 A. Numbers and Number Sense  
 B. Computation  
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**  
 E. Geometry  
 F. Measurement
- Cluster 3: Mathematical Decision Making**  
 C. Data Analysis and Statistics  
 D. Probability
- Cluster 4: Patterns**  
 G. Patterns, Relations, and Functions  
 H. Algebra Concepts  
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 06  
School: Bonny Eagle Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	306	23	8	120	39	82	27	81	26	839	306	8	39	27	26	839	14921	11	40	25	24	841
<b>Ethnicity</b>																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	1										1						117	5	22	33	39	832
Asian or Pacific Islander	1										1						181	24	42	20	14	848
Hispanic	1										1						131	7	34	26	33	836
Caucasian/White	303	22	7	119	39	81	27	81	27	839	303	7	39	27	27	839	14140	11	41	25	23	841
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	45	0	0	3	7	7	16	35	78	820	45	0	7	16	78	820	2265	1	14	22	62	824
No	261	23	9	117	45	75	29	46	18	842	261	9	45	29	18	842	12656	13	45	26	17	844
<b>Current LEP</b>																						
Yes	2										2						315	5	24	20	51	828
No	304	22	7	119	39	82	27	81	27	839	304	7	39	27	27	839	14606	11	40	25	23	841
<b>Economically disadvantaged</b>																						
Yes	83	3	4	25	30	26	31	29	35	834	83	4	30	31	35	834	5217	5	30	29	37	834
No	223	20	9	95	43	56	25	52	23	841	223	9	43	25	23	841	9704	15	45	23	17	845
<b>Migrant</b>																						
Yes	0										0						7	0	43	43	14	838
No	306	23	8	120	39	82	27	81	26	839	306	8	39	27	26	839	14914	11	40	25	24	841
<b>Gender</b>																						
Female	147	17	12	51	35	41	28	38	26	840	147	12	35	28	26	840	7199	11	40	26	23	841
Male	159	6	4	69	43	41	26	43	27	838	159	4	43	26	27	838	7722	11	40	24	25	841
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						806	3	20	30	47	831
No	306	23	8	120	39	82	27	81	26	839	306	8	39	27	26	839	14115	12	41	25	23	842
<b>Gifted/talented program</b>																						
Yes	0										0						592	58	39	2	1	864
No	306	23	8	120	39	82	27	81	26	839	306	8	39	27	26	839	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 06  
School: Bonny Eagle Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	10 50 36 5	1 6 14 2	3 4 13 14	11 67 39 3	38 44 35 21	7 37 34 3	24 25 31 21	10 41 24 6	34 27 22 43	835 839 841 833	10 50 36 5	3 4 13 14	38 44 35 21	24 25 31 21	34 27 22 43	835 839 841 833	9 46 41 5	5 10 14 14	30 40 42 38	23 26 25 23	41 25 19 24	833 840 843 842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	26 50 17 7	13 8 2 0	16 5 4 0	33 66 16 5	41 44 30 24	16 38 19 8	20 25 36 38	18 39 16 8	23 26 30 38	844 839 835 829	26 50 17 7	16 5 4 0	41 44 30 24	20 25 36 38	23 26 30 38	844 839 835 829	30 50 17 4	17 10 6 3	43 42 32 18	22 26 29 25	18 22 33 54	845 841 836 828
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	26 48 19 6	19 4 0 0	24 3 0 0	36 73 8 3	46 50 14 16	11 41 22 6	14 28 37 32	13 29 29 10	16 20 49 53	848 840 828 827	26 48 19 6	24 3 0 0	46 50 14 16	14 28 37 32	16 20 49 53	848 840 828 827	26 45 23 5	29 7 1 1	46 46 26 14	14 27 34 29	11 20 38 57	851 841 833 827
How difficult was the mathematics part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	41 48 11	2 11 10	2 8 30	41 64 13	34 45 39	41 35 4	34 24 12	38 33 6	31 23 18	834 842 849	41 48 11	2 8 30	34 45 39	34 24 12	31 23 18	834 842 849	34 52 13	4 10 33	35 43 40	28 26 14	32 21 13	836 842 852
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	40 52 8	12 11 0	10 7 0	42 67 7	35 44 30	35 39 5	29 26 22	30 35 11	25 23 48	840 841 828	40 52 8	10 7 0	35 44 30	29 26 22	25 23 48	840 841 828	44 50 6	10 13 9	40 42 27	26 24 27	25 21 38	840 843 835
How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	22 10 18 50	3 1 1 18	5 3 2 12	28 11 20 60	42 37 36 39	17 13 15 36	26 43 27 24	18 5 20 38	27 17 36 25	838 838 834 841	22 10 18 50	5 3 2 12	42 37 36 39	26 43 27 24	27 17 36 25	838 838 834 841	9 16 28 48	6 8 12 13	38 38 41 40	27 27 27 23	29 27 21 24	837 839 843 842
How often do you use calculators in mathematics class? A. almost every day B. two or three times a week C. two or three times each month D. never or almost never	46 35 11 7	18 3 2 0	13 3 6 0	54 45 11 10	39 42 32 45	35 32 7 5	25 30 21 23	32 27 14 7	23 25 41 32	842 838 834 836	46 35 11 7	13 3 6 0	39 42 32 45	25 30 21 23	23 25 41 32	842 838 834 836	38 33 18 11	14 10 10 7	42 41 36 34	23 26 27 26	21 23 27 33	843 841 840 836
How do you feel about the following statement? “My knowledge of mathematics will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	52 38 7 3	18 5 0 0	11 4 0 0	66 44 6 4	42 38 27 44	40 30 7 3	25 26 32 33	33 37 9 2	21 32 41 22	843 836 830 839	52 38 7 3	11 4 0 0	42 38 27 44	25 26 32 33	21 32 41 22	843 836 830 839	54 38 6 2	14 8 6 3	44 36 31 23	23 27 28 25	18 28 36 49	844 838 835 831
Optional school/SAU question A. B. C. D.	21 33 13 33	0 0 0 0	0 0 0 0	0 3 2 2	0 38 67 25	3 3 0 2	60 38 0 25	2 2 1 4	40 25 33 50	828 836 839 826	21 33 13 33	0 0 0 0	0 38 67 25	60 38 0 25	40 25 33 50	828 836 839 826						

# SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 06  
School: Bonny Eagle Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	32	11	32	11	1879	12
	2006-2007	55	16	55	16	2192	14
	<b>2007-2008</b>	<b>37</b>	<b>12</b>	<b>37</b>	<b>12</b>	<b>2371</b>	<b>16</b>
	Cum. Total*	124	13	124	13	6442	14
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	179	60	181	60	8604	53
	2006-2007	177	53	178	52	7916	52
	<b>2007-2008</b>	<b>151</b>	<b>49</b>	<b>151</b>	<b>49</b>	<b>7630</b>	<b>51</b>
	Cum. Total*	507	54	510	54	24150	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	53	18	54	18	3618	22
	2006-2007	68	20	68	20	3340	22
	<b>2007-2008</b>	<b>75</b>	<b>25</b>	<b>75</b>	<b>25</b>	<b>3175</b>	<b>21</b>
	Cum. Total*	196	21	197	21	10133	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	36	12	36	12	2174	13
	2006-2007	37	11	39	11	1865	12
	<b>2007-2008</b>	<b>43</b>	<b>14</b>	<b>43</b>	<b>14</b>	<b>1731</b>	<b>12</b>
	Cum. Total*	116	12	118	12	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.0	57.1	8.0	57.1	8.1	57.9
Cluster 2: Physical Sciences	14	25	6.5	46.4	6.5	46.4	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.6	54.3	7.6	54.3	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.0	57.1	8.0	57.1	8.5	60.7

## Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

## Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

## Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

## Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.

# SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 06  
School: Bonny Eagle Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	306	37	12	151	49	75	25	43	14	845	306	12	49	25	14	845	14907	16	51	21	12	847
<b>Ethnicity</b>																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	1										1						117	8	40	28	24	840
Asian or Pacific Islander	1										1						181	20	50	15	15	849
Hispanic	1										1						131	5	50	22	23	842
Caucasian/White	303	37	12	149	49	75	25	42	14	845	303	12	49	25	14	845	14129	16	52	21	11	848
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	45	0	0	8	18	14	31	23	51	831	45	0	18	31	51	831	2258	3	29	31	37	836
No	261	37	14	143	55	61	23	20	8	848	261	14	55	23	8	848	12649	18	55	20	7	850
<b>Current LEP</b>																						
Yes	2										2						315	4	29	25	42	834
No	304	37	12	149	49	75	25	43	14	845	304	12	49	25	14	845	14592	16	52	21	11	848
<b>Economically disadvantaged</b>																						
Yes	83	7	8	31	37	23	28	22	27	840	83	8	37	28	27	840	5206	8	45	28	20	842
No	223	30	13	120	54	52	23	21	9	847	223	13	54	23	9	847	9701	20	55	18	7	850
<b>Migrant</b>																						
Yes	0										0						7	29	57	14	0	852
No	306	37	12	151	49	75	25	43	14	845	306	12	49	25	14	845	14900	16	51	21	12	847
<b>Gender</b>																						
Female	147	20	14	66	45	43	29	18	12	845	147	14	45	29	12	845	7196	14	52	23	12	847
Male	159	17	11	85	53	32	20	25	16	845	159	11	53	20	16	845	7711	18	51	20	12	848
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						804	6	38	34	22	841
No	306	37	12	151	49	75	25	43	14	845	306	12	49	25	14	845	14103	16	52	21	11	848
<b>Gifted/talented program</b>																						
Yes	0										0						592	63	35	1	0	865
No	306	37	12	151	49	75	25	43	14	845	306	12	49	25	14	845	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE AND TECHNOLOGY RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 06  
School: Bonny Eagle Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%		
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	10 50 36 5	3 16 16 2	10 11 14 14	8 75 63 4	28 50 57 29	11 43 19 2	38 28 17 14	7 11 13 6	24 11 12 43	842 845 847 838	10 50 36 5	10 11 14 14	28 50 57 29	38 28 17 14	24 11 12 43	842 845 847 838	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b> A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	23 46 24 7	8 18 10 0	11 13 14 0	44 63 34 8	62 45 47 40	12 36 20 7	17 26 27 35	7 22 9 5	10 16 12 25	847 844 846 840	23 46 24 7	11 13 14 0	62 45 47 40	17 26 27 35	10 16 12 25	847 844 846 840	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
<b>Which of the following best describes how you rate yourself as a student in science?</b> A. very good B. good C. fair D. poor	20 54 22 4	13 18 5 0	21 11 8 0	27 89 27 7	44 54 41 58	12 41 21 1	20 25 32 8	9 16 13 4	15 10 20 33	848 846 841 839	20 54 22 4	21 11 8 0	44 54 41 58	20 25 32 8	15 10 20 33	848 846 841 839	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
<b>How difficult was the science part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	31 59 10	12 16 9	13 9 29	47 85 12	51 49 39	23 46 5	25 26 16	10 27 5	11 16 16	846 844 848	31 59 10	13 9 29	51 49 39	25 26 16	11 16 16	846 844 848	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
<b>How hard did you try on the science part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	34 60 6	21 14 2	21 8 12	48 94 4	48 53 24	19 50 5	19 28 29	13 21 6	13 12 35	848 845 838	34 60 6	21 8 12	48 53 24	19 28 29	13 12 35	848 845 838	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
<b>Which courses do you plan to take before you graduate from high school?</b> A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	24 23 23 30	7 8 12 10	10 12 18 11	39 28 29 48	55 42 43 54	13 23 14 20	18 35 21 22	12 7 12 11	17 11 18 12	845 844 846 845	24 23 23 30	10 12 18 11	55 42 43 54	18 35 21 22	17 11 18 12	845 844 846 845	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
<b>How do you feel about the following statement?</b> <i>“My knowledge of science and technology will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	21 54 18 6	4 25 7 1	6 15 13 5	39 81 25 5	61 49 45 26	10 39 15 10	16 24 27 53	11 20 8 3	17 12 15 16	846 846 845 840	21 54 18 6	6 15 13 5	61 49 45 26	16 24 27 53	17 12 15 16	846 846 845 840	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
<b>How well does the following statement reflect your future goals?</b> <i>“I am interested in a career related to science, technology, engineering, or mathematics.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	19 41 24 16	9 16 8 4	15 13 11 8	29 70 31 20	49 56 43 41	12 23 22 18	20 18 31 37	9 16 11 7	15 13 15 14	847 846 844 843	19 41 24 16	15 13 11 8	49 56 43 41	20 18 31 37	15 13 15 14	847 846 844 843	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
<b>Optional school/SAU question</b> A. B. C. D.	21 33 13 33	0 2 0 1	0 25 0 13	1 1 2 2	20 13 67 25	3 3 0 0	60 38 0 0	1 2 0 5	20 25 33 63	835 843 843 831	21 33 13 33	0 25 0 13	20 13 67 25	60 38 0 0	20 25 33 63	835 843 843 831						

E = Exceeds the Standards    M = Meets the Standards    P = Partially Meets the Standards    D = Does Not Meet the Standards  
N = Number